

DPD 1336-62
COPY 1 OF 1***USAF Declass/Release Instructions On File***

February 12, 1962

File No.: HD-P-263

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TO: [REDACTED]

FROM: [REDACTED]

SUBJECT: Trip to "G" - January 29 to February 2, 1962

Several items of primary interest were resolved on this visit, including a wiring change for longer scan interval, Driftsight offset modification and material scratch problem.

The four Trackers presently at "G" (#3, #4, #13, #18) have now been modified to offer 48 sec. and 62 sec. interval between frames. This means that the present 32 sec. interval still offers 10 hour coverage at 60% overlap. The 48 sec. scan interval provides 15 hour coverage at 40% overlap. A selection of 62 sec. interval offers 19 hour coverage at a 20% overlap. These figures still remain dependent on V and H factors for precise accuracy. The primary benefit is derived from having the Tracker run the full length of mission. This is definitely desirable in reliability factors.

A prototype of an offset adapter for use with Hand Control and Driftsight was installed. This device now offers a ready reference line to keep vehicle nadir a known distance from objects viewed on the sight presentation. An example, is the ability to traverse a course 10 miles to the right or left of given ground objects. This adapter is presently supplied with 10 and 20 mile offset components, however, any specific distance adapters may be readily fabricated. Testing of this modification revealed accuracy within 1/4 mile. Arrangements have been made to thoroughly evaluate this item during the next few weeks.

Our concern over material scratch problem was based on material evaluation reports which mention "Numerous lines of less density through each frame" and "scratches throughout". After analyzing each unit the causes were found to be independent and did not fall into the category of one common trouble. S/4 is scheduled for return to our facility for major overhaul. S/18 was in acceptable condition. S/3 and S/13 were questionable in area of film guide radius and platen surface. To remedy this problem we are evaluating a chrome plating on platen contact surfaces and will have this modification ready for field evaluation within 3 weeks. A teflon coating on critical film guide radius will also be evaluated and ready for field test within 4 weeks. From a standpoint of promoting greater flexibility for necessary field maintenance, it seems practical that our field men initiate a request, through proper channels, to add one Tracker to existing complement.

Tracker S/2 arrived during my visit. This unit arrived in wooden shipping case with some damage evident to outer case. Upon inspection the gear train was completely inoperative. Several of the gear shafts were visibly bent and two bushings had been elongated. This problem has been resolved by the addition of improved shipping case for Trackers to the supply system. However, this also serves to point up need for abandoning the wooden type cases

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for Driftsights, and changing to the shock resistant metal type. An ECD will be initiated for this purpose.

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During this visit it was possible to consult with [REDACTED] concerning all items in question. Despite his heavy schedule of commitments, the Colonel had great personal interest in all items and helped in every way to make these tasks easier.

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Our field men, [REDACTED] are performing in an ideal manner. They especially have commented on the improved manner in which field supply system now operates. The men express no problems and have all situations well in hand.

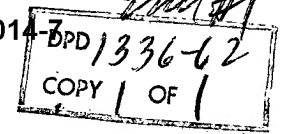
In addition to the specific tasks listed, this trip served to increase the liaison between our M & O facility, here at the plant, and the various operational requirements and needs of our personnel at Det. "G".

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[REDACTED]

M & O Supervisor

J W L:hmd



February 21, 1962

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Major [REDACTED]

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Dear Charlie:

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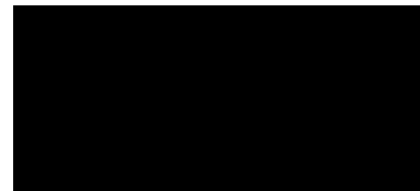
Attached is [REDACTED] report to me concerning his recent trip to [REDACTED]

We feel that this visit was very timely and successful in all areas of endeavor.

If you would like more detailed information, please let me know.

Sincerely,

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AVH:hmd